

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P#

Luminaire Tested: **LSSQWM2B20WFL559730D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29157)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20WFL559730D010 2LBD*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1301.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

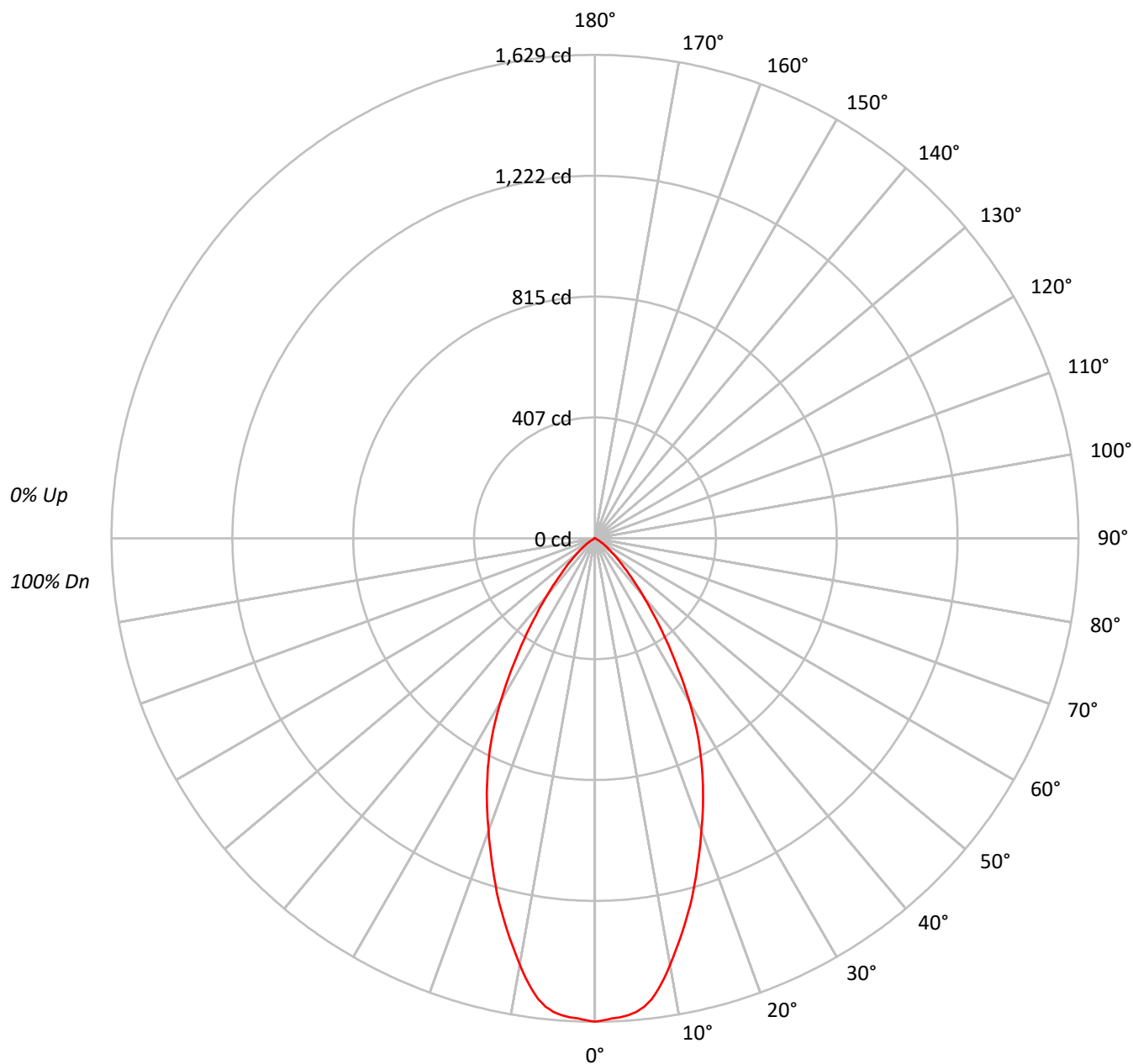
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559730D010 2LBD*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559730D010 2LBD*H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	86		100	94	90	86		92	88	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		81	76	72		79	75	71		77	74	71
6	87	78	72	68		86	77	71	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	65	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	62	56	52		70	61	55	52		60	55	52		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	630870
5°	622937
10°	573659
15°	504912
20°	432403
25°	364819
30°	284865
35°	196805
40°	126411
45°	77184
50°	45677
55°	26067
60°	8212
65°	1192
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559730D010 2LBD*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	11.4
10°-20°	349.9	26.9
20°-30°	387.9	29.8
30°-40°	263.3	20.2
40°-50°	113.6	8.7
50°-60°	35.7	2.7
60°-70°	2.3	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	886.2	68.1
0°-40°	1149.4	88.3
0°-60°	1298.8	99.8
0°-90°	1301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1629	
5°	1602	148
15°	1259	350
25°	854	388
35°	416	263
45°	141	114
55°	39	36
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559730D010 2LBD*H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1628.7
1°	1624.7
2°	1619.4
3°	1616.8
4°	1611.4
5°	1602.1
6°	1587.5
7°	1564.9
8°	1534.3
9°	1498.4
10°	1458.5
11°	1418.7
12°	1378.8
13°	1338.9
14°	1299.0
15°	1259.1
17.5°	1151.4
20°	1049.0
22.5°	952.0
25°	853.6
27.5°	751.2
30°	636.9
32.5°	521.2
35°	416.2
37.5°	325.7
40°	250.0
42.5°	188.8
45°	140.9
47.5°	103.7
50°	75.8
52.5°	54.5
55°	38.6
57.5°	25.3
60°	10.6
62.5°	2.7
65°	1.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559730D010 2LBD*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)